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procedure to said received at least  $\sqrt{N}$  training symbols to obtain a time domain response for said channel, and that applies an inverse of said substantially orthogonalizing procedure to a zero-padded version of said time domain response to obtain a frequency response for said channel .

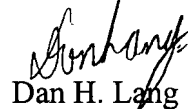
#### REMARKS

The present preliminary amendment cancels claims 1-17, 20, 23-50, 52-60, 109-128, 130-131, 134-160, 163-172, and 221-227 and add new claims 228-311. The newly submitted claims are supported by the application as filed. Inventorship has also been changed to reflect the cancellation of certain claims.

Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number below.

Respectfully submitted,

RITTER, VAN PELT & YI LLP



Dan H. Lang  
Reg. No. 38,531

4906 El Camino Real  
Suite 205  
Los Altos, CA 94022  
Telephone: (650) 903-3500